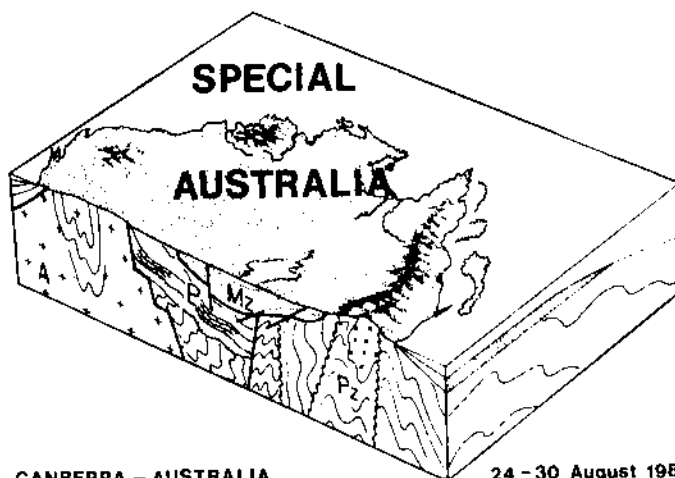


# **I N T E R N A T I O N A L A S S O C I A T I O N O F S E D I M E N T O L O G I S T S**

## **NEWSLETTER**

N° 79 June 1985



CANBERRA - AUSTRALIA

24 - 30 August 1986

IMPORTANT I.A.S. MATTERS

General Assembly - 12th ISC - Canberra - Australia

The General Assembly held in Hamilton in 1982 approved the changes of statutes and by-laws formerly proposed and circulated by the Bureau; these changes concerned the procedures that will rule the designation of the future Bureau and Council officers as well as that of the country that will receive forthcoming ISC. These new procedures are now being applied.

1) Nomination of the New Bureau of I.A.S. (1986-1990)

According to the statutes modified in Hamilton (section II art. 8 of ancient statutes), the present Bureau has to present a list of nominations for Council who will propose the slate for the General Assembly to vote on during the Australian Congress in 1986. Members of the Association may make proposals for an alternative slate of officers provided the proposals are supported by at least 100 signatures of members and that the alternative slate reaches the General Secretary before September 30th, 1985.

The vote will be done by mail balloting and casted at the General Assembly by the General Secretary and the Treasurer, acting as proxies.

To assist members in considering whether they wish to prepare an alternative slate, the Bureau now announces that they will be proposing the following to fill the main executive posts :

President :	Hans Flichtbauer (F.R. of Germany)
Past-President :	Harold Reading (U.K.)
General Secretary :	Pinn Surlyk (Denmark)
Treasurer :	Poppe de Baer (Netherlands)
Editors :	Peter Homewood (Switzerland)
	Phillip Allen (U.K.)
	Judy McKenzie (U.S.A.)
Publication Secretary :	M. Tucker (U.K.)

2) Site of the 1990 International Sedimentological  
Congress

According to the by-laws modified in Hamilton (section V art. 1, 1st paragraph), the present Bureau is entrusted with the responsibility to seek invitations from countries willing to have the 1996 Congress. Alternative official invitations from countries not contacted by the Bureau are welcome, provided they reach the General Secretary before September 30th, 1985.

MICROORGANISMS AND THE SEDIMENTARY RECORD

Theme C2 : 12th International Sedimentological Congress  
(Down Under)

24-30 August 1986 - Canberra - Australia

Convenors :

Dr. M.R. Walter  
Baas Becking Laboratory,  
BMR,  
G.P.O. Box 378  
Canberra, ACT 2601  
Australia

Dr. Cl. Monty  
C.A.P.S.  
Université de Liège  
7 place du XX-Août  
B-4000 Liège  
Belgique

An increasing number of scientists are nowadays impressed by the diversity and depth of interactions between organisms life processes on the one hand, and sedimentary processes and products on the other. Things are particularly complex in Phanerozoic sediments as a result of complex biosedimentary collaboration between the five kingdoms (moneran microorganisms, protocists, fungi, animals and plants).

Treating this whole subject of "life and sedimentary processes and products" is much too wide a scope to be correctly treated in the available space of a single symposium encased in a large meeting. That is why we decided to confine the scope of the symposium to "Microorganisms and the sedimentary record". Other reasons backed this choice, among which the fact that the biosedimentary activities of microorganisms very probably spans all the presently recorded earth history as well as that of sedimentary grains and deposits from source rocks through transportation and deposition to burial down to at least 2000 meters, and hence, subsequent history back to surface.

On such grounds, the scope of the symposium must be as broad as possible. It is not only open to sedimentologists but also to microbiologists and biogeochemists provided proposed papers have direct and stimulating connections with sedimentology. It will encompass archaean to recent situations.

Although we hate to give a list of eventual topics, which might appear restrictive, we provide here some suggestions to raise your appetite and help you finding more :

- Recorded impacts and/or preservation of microorganisms in sediments and sedimentary deposits
- Microorganisms and the sedimentary cycle : bioalteration of continental or submarine source rocks; bioalteration during transportation; bioalteration during deposition and burial
- Microorganisms and deposition of specific sedimentary deposits (oxydes, phosphates, carbonates, silica and aluminosilicates, sulfates, sulfides, sulfur, etc....)
- Microorganisms and genesis of specific sedimentary grains types
- Microorganisms and clay minerals
- Microorganisms and sedimentary or biosedimentary structures (including stromatolites)
- Microorganisms and physical (behavioral) properties of sediments
- Microorganisms and chemical properties of sediments and interstitial waters
- Microorganisms and heat production in sediments and/or surrounding waters
- Microorganisms and isotopic fractionation; (bio)geochemical record of microbial activities
- Stratigraphic evolution or changes in the type of interactions between microorganisms and the sedimentary record (changes due to microorganism evolution or to climatic alterations or particular oceanographic situations)
- etc., etc., etc....

Financial assistance : for coming to meeting may be considered although limited. Conditions of application are detailed in congress circular p. 15.

Publication : it is anticipated that a collection of papers offered will form the basis of a special publication on "Microorganisms and the sedimentary record". To be considered manuscripts should be original and would have to be available soon after the Congress. Language is English.

- \* Action if you are interested : just rush a simple note to one of the above convenors with :

1. NAME, ADDRESS, TELEPHONE
2. Title of contribution and short preliminary abstract
3. Form of contribution : Paper/Poster
4. Chances (small/good/definite) of having a completed manuscript ready by late september 1986 which could be considered for inclusion into a special publication on the theme.

DO NOT FORGET :

- 1) to check your note contains all the informations requested here above
- 2) the important dates : October 1st, 1985 for receipt of titles of proposed papers and short preliminary abstract  
January 15th, 1986, authors advised of papers acceptance and session  
March 1st, 1986 deadline for receipt of definitive camera-ready abstracts.
- 3) to enroll with the 12th I.S.C. The registration circular is out and has been distributed to I.A.S. members. If you did not receive it or if you are not a member, copies of the circular containing all the necessary informations can be obtained from :  
12th I.S.C.  
ACTS  
G.P.O. Box 1929  
Canberra 2601  
Australia  
or Cl. Monty  
C.A.P.S.  
Université de Liège  
7 place du Xx-Août  
B-4000 Liège  
Belgique

- \* If you do not come to the meeting but want to contribute a paper to the eventual special publication send a note with the data requested here above (name, title of manuscript, abstracts, chances of having manuscript ready by september 1986) to Cl. Monty (address above). We look forward for a most fruitful and warm collaboration in this frontier subject of biosedimentology.

Cl. MONTY

&

M. WALTER

MODERN AND ANCIENT NON TROPICAL SHELF CARBONATES

Theme A2 : 12th International Sedimentological Congress  
(Down Under)  
24-30 August 1986 - Canberra - Australia

Convenors :

Dr. Campbell Nelson  
Dept. of Earth Sces  
University of Waikato  
Hamilton  
New Zealand

Dr. Tordjorn Alexandersson  
Dept. of Quaternary Geol.  
Box 555  
75122 Uppsala  
Sweden

We know you are interested in temperate shelf carbonate deposits. We invite you to consider offering a contribution at 12th ISC on this theme, which will include "the nature, occurrence and diagnostic features of modern non tropical shelf carbonates; their diagenesis and preservation potential; character, recognition and economic significance of ancient equivalents; relevance of existing carbonate facies models". In many respects non tropical shelf carbonates are now at the stage where tropical carbonate were in the early 1960's - on the bring of a data explosion.

It is anticipated that a collection of the papers offered will form the basis of a special publication on temperate carbonate deposits.

Overall condition of participation are identical to those of the here above symposium theme C2.

ASSOCIATION NEWS

GERMANY  
(from Th. Bechstädt)

Geologische Vereinigung

75th Annual Meeting

The 75th Annual Meeting was held at the University of Kiel from February 27th to March 2nd, 1985. More than 100 papers were presented as well as almost 60 posters. Two presentations, open to the public, were given by J. Imbrie (Providence, USA) ("The role of spectral analysis in understanding climatic change") and E. Suess (Corvallis, USA) ("Geologische Aufnahme an untermeerischen Aufschlüssen mit dem Tiefsee-Tauchboot Alvin - neue Perspektiven für Landgeologen").

It is impossible to mention the different presentations in detail. Some 25 papers from the above mentioned total of 160 presentations will be published in "Geologische Rundschau". Abstracts of the meeting can be found in "Terra Cognita, vol. 5, n° 1, 1985.

Topics of the different sessions are :

- 1) Ocean history : aspects of stratigraphy, Cretaceous, Cretaceous sapropels, Cretaceous and Tertiary evolution, Cenozoic, Quaternary deep-water paleoceanography
- 2) Paleooceanography of the Mediterranean Sea
- 3) Sedimentary processes : plankton and sediment trap experiments; plankton and pelagic sediments; CO<sub>2</sub> budget; transport
- 4) Organic geochemistry, diagenesis
- 5) Metalliferous deposits
- 6) Mid-ocean ridges, spreading and ophiolites
- 7) Tectonics : active margins, passive margins, transform faults, hot spots, backarc basins, Paleozoic oceans, sedimentation along Paleozoic margins, Mediterranean Sea



FUTURE MEETINGS  
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August 26-28, 1985 THE NETHERLANDS (Utrecht)

MODERN AND ANCIENT CLASTIC TIDAL DEPOSITS

Contact : Dr. S.D. NIO  
Comparative Sedimentology Division  
Institute of Earth Sciences  
Budapestlaan 4  
3508 TA Utrecht  
The Netherlands

September 2-4, 1985 SWITZERLAND (Fribourg)

FORELAND BASIN (I.A.S. THEMATIC MEETING)

Contact : Dr. P.A. ALLEN  
Department of Geology  
University College  
Cardiff CF1 1XL  
U.K.

March 7-8, 1986 GERMANY (Freiburg i. Br.)

"1ST MEETING OF GERMAN-SPEAKING SEDIMENTOLOGISTS"

Organized by Th. Bechstädt and H. Knitter.  
One of the aims of this meeting is to stimulate  
contacts between sedimentologists of German-speak-  
ing countries. Oral presentations (20 min., incl.  
5 min. discussion) and posters are welcome.

Contact : 1. Treffen deutschsprachiger Sedimentologen,  
Geol. Inst. der Univ.  
Albertstrasse 23 B  
D-7800 Freiburg i. Br.  
GERMANY

March 16-22, 1986

SPAIN (Granada)

GEOCHEMISTRY OF THE EARTH SURFACE AND PROCESSES  
OF MINERAL FORMATION

I International Symposium on Geochemistry of the Earth Surface.

II International Symposium on Crystal Growth Processes in Sedimentary Environments.

Joint meeting organized by :

- International Association of Geochemistry and Cosmochemistry.
- Working Group of Geochemistry of Weathering, Diagenesis and Sedimentary Processes.
- International Mineralogical Association. Commission of Crystal Growth of Minerals.

It is the aim of this meeting to provide a forum to report and discuss recent achievements of the studies of geochemical processes and physical backgrounds of mineral formation on and near the earth's surface, and eventually to find common languages among geochemists, mineralogists, sedimentary petrologists and crystal growth scientists who are interested in such problems. The demand for such a forum has been increased among scientists of many disciplines in recent years.

The Second International Symposium on Crystal Growth Processes in Sedimentary Environments and the First International Symposium on Geochemistry of the Surface, will take place concurrently in the same Conference site, and plenary sessions will be provided for the topics of mutual interest. Namely two Symposia will take place in parallel in the same Campus of the University of Granada. The major part of communications will be presented in the form of posters, but the plenary conferences will be conjoint and referring to topics of mutual interest. Efforts will be made to facilitate as much as possible the "open forum" nature of the meeting for specialists coming from different fields.

Those who are interested in these Symposia may obtain further information from :

Dr. R. Rodriguez Clemente  
National Museum of Natural Sciences  
c/José Gutiérrez Abascal, 2  
28006 Madrid  
SPAIN

June 2-5, 1986

YUGOSLAVIA (Brioni)

THE 5TH MEETING OF YUGOSLAV SEDIMENTOLOGISTS

The 5th Meeting of Yugoslav Sedimentologists organized by the Sedimentology Group of the Croatian Geological Society will take place in the Memorial Centre Brioni on the Island of Brioni.

The aim of this meeting is to gather geologists studying sedimentary rocks in order to exchange the results of their scientific work or discuss raising topics. Young scientists are especially encouraged to participate or exchange results and knowledge and learn from senior one.

We would like to welcome all those who might be interested in presenting a paper or a poster in English, too.

The registration fee is 30 US \$.

Three excursions are planed as follows :

A) Pre-meeting excursion - May 30-June 1

Subject : Sedimentological characteristics of shallow-water carbonates of Permian, Triassic and Jurassic age.  
Volcanic-sedimentary complex of Middle Triassic age.

Route : Zagreb-Plitvicka jezera-Gospic-D.Pazariste-Karlobag-tunel Ucka-Brioni.

Leaders : V. Jelaska, M. Stojsavljevic

Price : 100 US \$

B) Excursion during the meeting - 1 day

Subject : Carbonate sediments of the tidal flats, lagoons and shallow sea in Istria/Upper Jurassic and Cretaceous/.

Route : Brioni-Pazin-Brioni.

Leader : J. Tisljar

Price : included into registration fee

C) Post-meeting excursion - June 5-8

Subject : Sedimentary processes in fan delta, shelf and basin environments/Eocene of the Northern Dalm/.

Route : Brioni-Benkovac-Ravni Kotari-Zagreb.

Leaders : Lj. Babic, J. Zupanec

Price : 130 US \$

In order to registrate, to join the excursion or to participate with a paper or a poster, please, contact for further information :

Dr. Esad PROHIC  
Geoloski Zavod  
41000 Zagreb  
Sachsova 2  
YUGOSLAVIA

Phone : 041-518-300

August 4-7, 1986

THAILAND (Chiang Mai)

INTERMONTANE BASINS - SEDIMENTOLOGY, TECTONICS  
AND MINERAL RESOURCES

This meeting, sponsored by the International Association of Sedimentologists, is organized by the Geological Society of Thailand, the Chiang Mai University and the Utrecht Comparative Sedimentology Division.

### Scientific program

The following themes will be considered :

- The relation between foreland basin development and the formation of intermontane basins.
- Lithospheric controls of intermontane basin subsidence.
- Distribution of sedimentary belts in relation to tectonic movements of intermontane basins.
- Evolution of sediment dispersal patterns in modern and ancient intermontane basins.
- Foreland and intermontane basin models in Eastern Asia.
- Economic importance of intermontane basin deposits.

The following keynote lectures will be held (tentative) :

- Intermontane basins : the relationship between tectonics and sedimentation.
- Foreland basin development and the distribution of facies belts.
- Structural and sedimentologic relationships between foreland and intermontane basins.
- Use of stratigraphy in constraining foreland and intermontane basin models.
- Lacustrine sedimentation in intermontane basins.
- Structural development of SE Asia with respect to the formation of intermontane basins.
- Intermontane basins of Thailand.
- Hydrocarbon potentials in intermontane basins.

### Excursions

Pre-conference excursions :

- A1. Lower and Upper Chao Phrea Basins (3 days)
- A2. Chang Mai Basin (1 day)

Post-conference excursions :

- B1. Lampang and Mae Moh Basins in Northern Thailand (3 days)
- B2. Chiang Mai Basin (1 day)

For further information, contact :

Dr. Theerapongs THANASUTHIPITAK  
Faculty of Science  
Department of Geological Sciences  
Chiang Mai University  
Chiang Mai 50002  
THAILAND

August 24-30, 1986

AUSTRALIA (Canberra)

12TH INTERNATIONAL SEDIMENTOLOGICAL CONGRESS

SEDIMENTS DOWN-UNDER

The registration circular with all details about the meeting is out!

If you did not receive it, please request it from :

12th International Sedimentological Congress  
ACTS  
GPO Box 1929  
Canberra ACT 2601  
AUSTRALIA

Telex : AA62260 (UNIHSE-ACTS)

NEW IAS PUBLICATION  
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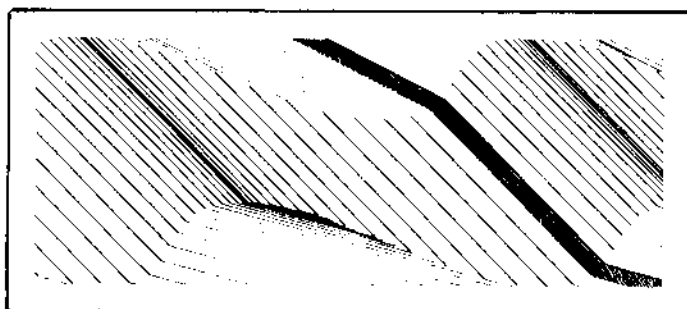
I.A.S. Special Publication n° 7 "SEDIMENTOLOGY  
OF COAL AND COAL-BEARING SEQUENCES", Rahmani R.A.  
& Flores R.M. eds.

Contents : beside an introductive historical review,  
the book presents papers dealing with :

- General coal depositional models
- Depositional models of modern peats
- Application of coal depositional models  
to mining problems
- Coal compositions and depositional envi-  
ronments
- Sedimentary tectonics of coal basins

Editor  
Cl. MONTY,  
General Secretary

**MODERN AND ANCIENT  
CLASTIC TIDAL DEPOSITS**



Utrecht

26-28 AUGUST 1985